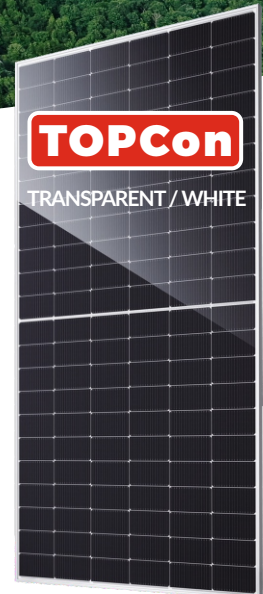


LUXPOWER® SERIES **N**5



600-620W Mono BIFACIAL DG

132 Half-Cell Layout
G12R N-TOPCon Cell



LECO N-TOPCon Cell Technology



SMBB Half Cut Cell Technology



Bifacial Cell Module Technologies



Excellent Anti-PID Low LID Performance

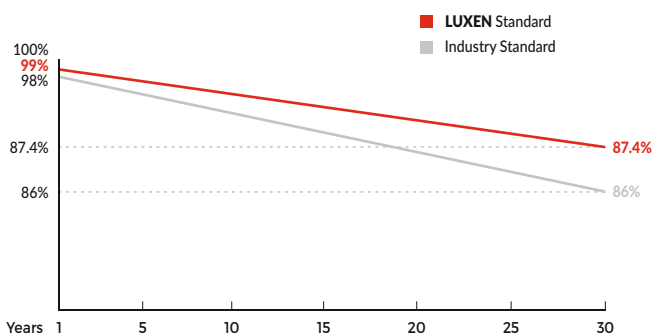


Less Hot Spot Shading Effects



Higher Power Output Lower BOS & LCOE

Linear Performance Warranty



* LUXEN TOPCon: Standard warranty 15 years, can be extended up to 20 years.

Insured By



Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard Quality
- IEC61701/IEC62716 Salt/Mist/Ammonia Tests



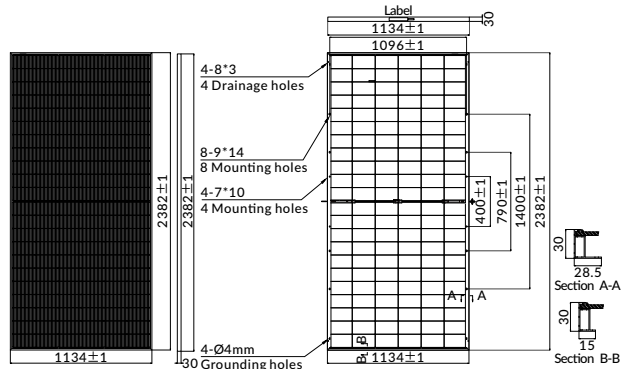
LUXEN SOLAR ENERGY CO., LTD.

Operational HQ: Vienna Technology Center, Christine-Touaillon-Strasse 11/2.01, 1220 Vienna, Austria
Production HQ: No.1, Haiyue Road, Nantong, Jiangsu, 226000, China
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MECHANICAL CHARACTERISTICS

Solar Cells	N-type Mono
No. of Cells	132 (6x22)
Dimensions	2382 x 1134 x 30mm
Weight	33.5kg
Front Glass	2.0mm coated semi-tempered glass
Back Glass	2.0mm semi-tempered glass
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	280mm (+) / 350mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

POWER CLASS	LNDT-600ND		LNDT-605ND		LNDT-610ND		LNDT-615ND		LNDT-620ND	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum power (Pmax)	600W	450W	605W	454W	610W	458W	615W	462W	620W	466W
Open Circuit Voltage (Voc)	48.57V	45.48V	48.75V	45.70V	48.94V	45.91V	49.13V	46.12V	49.32V	46.33V
Short Circuit Current (Isc)	15.68A	12.54A	15.74A	12.59A	15.80A	12.64A	15.86A	12.69A	15.92A	12.74A
Voltage at Maximum power (Vmpp)	40.65V	38.11V	40.82V	38.29V	40.99V	38.47V	41.16V	38.65V	41.33V	38.83V
Current Maximum Power (Impp)	14.76A	11.81A	14.82A	11.86A	14.88A	11.90A	14.94A	11.95A	15.00A	12.00A
MODULE EFFICIENCY (%)	22.21%		22.40%		22.58%		22.77%		22.95%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NMOT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

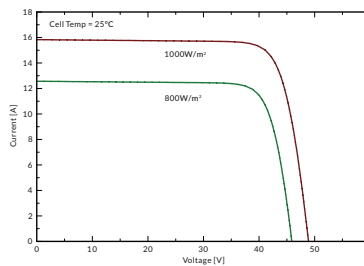
BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		LNDT-600ND		LNDT-605ND		LNDT-610ND		LNDT-615ND		LNDT-620ND	
		STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
5%	Maximum power (Pmax)	630W		635W		641W		646W		651W	
	Module Efficiency STC (%)	23.32%		23.52%		23.71%		23.91%		24.10%	
15%	Maximum power (Pmax)	690W		696W		702W		707W		713W	
	Module Efficiency STC (%)	25.54%		25.76%		25.97%		26.18%		26.40%	
25%	Maximum Power (Pmax)	750W		756W		763W		769W		775W	
	Module Efficiency STC (%)	27.77%		28.00%		28.23%		28.46%		28.69%	

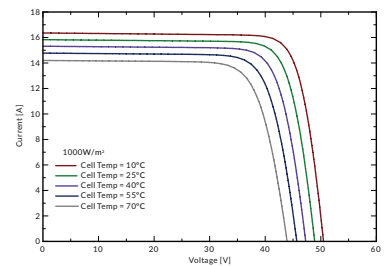
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	36
Pallets per container	16
Pieces per container	576

I-V CURVE



LNDT-610ND/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	30A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (NMOT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.045%/°C

Note: The specifications, data and technical characteristics provided in this data sheet are subject to changes due to continuous R&D, product innovation and improvement. LUXEN SOLAR reserves the right to modify the information any time without prior notice.